THAT WHICH IS CLAIMED IS:

1. A system for providing a network adapter for one or more access points in a local area network environment, comprising:

means for connecting said one or more access points to a wired network;

means for connecting said one or more access points to a wireless network;

means for enforcing a managed network environment; and

means for communicating with a network control server.

2. A system as recited in claim 1, wherein said means for connecting to a wired network further comprises a wireline network interface.

3. A system as recited in claim 1, wherein said means for connecting to a wireless network further comprises a wireless network interface.

4. A system as recited in claim 3 wherein said wireless network interface is coupled to a wireless access point.

5. A system as recited in claim 4 wherein said wireless access point further comprises an 802.11 type access point.

6. A system as recited in claim 4 wherein said wireless access

point further comprises a Bluetooth type access point.

7. A system as claimed in claim 3 wherein said wireless network interface is coupled to a Local Area Network (LAN) port.

8. A system as recited in claim 1 wherein said means for enforcing a managed network environment further comprises an augmented IP stack.

9. A system as recited in claim 8 wherein said augmented IP stack includes a Mobile IP Foreign Agent.

10. A system as recited in claim 8 wherein said augmented IP stack detects and handles packets corresponding to a plurality of network services.

11. A system as recited in claim 1 wherein said means for communicating further comprises network coordination software.

12. A system as recited in claim 1 wherein said network adapter includes a plurality of wireline network interfaces.

13. A system as recited in claim 1 wherein said network adapter includes a plurality of wireless network interfaces.

14. A system as recited in claim 1 wherein said network adapter is

coupled to a switch and said switch is coupled to a plurality of short-range wireless access points.

15. A system as recited in claim 14 wherein said switch is programmable to automatically forward all inbound packets from wireless access point LAN segments to a segment containing said network adapter.

16. A system as recited in claim 14 wherein said switch is programmable to automatically forward all packets not originating from a LAN segment containing the network adapter and destined to an access point segment, to the LAN segment containing said network adapter.

17. A system as recited in claim 14 wherein the access points or wireless clients are programmed to forward all packets to said network adapter.

18. A system as recited in claim 1 wherein said network control server is co-located with said network adapter.

19. A system as recited in claim 1 wherein said network control server is co-located with a Core Server.

20. A system as recited in claim 1 wherein said network control server is co-located with a Routing Coordinator.

21. A system as recited in claim 1 wherein said network adapter further comprises at least one of a stand-alone personal computer (PC) and a special purpose computing machine.

22. A system as recited in claim 1 wherein said network adapter further comprises software stored within said one or more access points.

23. A system as recited in claim 1 wherein said network control server is distributed over said wired network.

24. A system as recited in claim 1 wherein said network adapter is connectable to one or more access points located on a plurality of LAN segments.

25. A system as recited in claim 1 wherein said network adapter is connectable to different wireless LANs.

26. A system as recited in claim 1 wherein said network adapter is co-located with at least one of a Handoff Management Point, a Home Address Masquerader and a Foreign Address Masquerader.

27. A method for providing a network adapter for a plurality of access points in a local area network environment, comprising the steps of:

connecting said access points to a wired network;

connecting said access points to a wireless network;

enforcing a managed network environment; and

communicating with a Network Control Server.

28. A method as recited in claim 27 wherein the step of enforcing a managed network environment further comprises the steps of:

receiving packets from a wireline network;

processing said packets through an augmented IP stack;

determining whether to rewrite said packets; and

forwarding said packets to said wireless network.

29. A method as recited in claim 28, further comprising, prior to the step of forwarding said packets to said wireless network, the step of determining whether to filter said packets.

30. A method as recited in claim 27 wherein the step of enforcing a managed network environment further comprises the steps of:

receiving packets from a wireless network;

processing said packets through an augmented IP stack; and

forwarding said packets to a wireline network.

31. A method as recited in claim 30, wherein said step of processing further comprises, prior to the step of forwarding, the steps of:

determining whether to filter said packets; and

determining whether to rewrite said packets.

32. A method as recited in claim 31, further comprising the steps of:

detecting packets corresponding to a plurality of network services via said augmented IP stack; and

handling said packets.

33. A method as recited in claim 27, further comprising the step of determining an access point currently associated with a mobile client by inspecting a media access control (MAC) address associated with packets transmitted by the mobile client.